

**Town of Arlington**  
Water & Sewer Division  
51 Grove Street  
Arlington, MA 02476  
(781) 316-3000 ext. 3310  
FAX (781) 316-3309

## **SEWER, WATER & DRAIN REGULATIONS AND SPECIFICATIONS**

### **General Work Rules:**

1. No work shall be started before 7:00 a.m.
2. No work shall be done on Saturday or Sunday or Holidays observed by the Town of Arlington except in the case of an emergency.
3. A Town of Arlington Bonded Drain layer must do all water and sewer construction.
4. All underground pipe work must be inspected by the water division prior to being backfilled.
5. Inspections can be requested from the Water Division between 8:00 a.m. and 2:00 p.m. by calling (781) 316-3300 ext. 3310 or 3106. Inspections will be conducted within 2 hours of the request.
6. A Water and/or Sewer Connection Permit must be issued before work is started and must be scheduled with the Water Division at least 24 hours prior to the start.
7. A Water and /or Sewer Connection Permit will be issued only to a Town of Arlington Bonded Drain layer.
8. Where work will be done in a public way, Police Details and Road Safety is the responsibility of the Contractor.
9. The Contractor must identify a Competent Person who understands and can enforce OSHA excavation requirements.
10. All excavations to the sidewalk or road will be paved or concrete replaced within 24 hours.
11. Application and permit fees for the work of these regulations is outlined on the official FEE SCHEDULE kept in the Engineer's Office.
12. The Arlington Water, Sewer Supervisor or his designated representative or Inspector shall approve all interpretation of the rules & regulations or changes.
13. All protective devices, check valves and back flow devices shall be installed as needed and inspected in accordance with CMR 310-22.00.
14. Anything not covered in these instructions will be subjected to the approval of the Water / Sewer Supervisor or his designee.

## **SEWER**

### **Residential Sewer Service Connection:**

Min. pipe size	6"
Pipe Material	PVC
Min. pipe Thickness	SDR 35
Min. pipe size: more than one sewered structure	8"
Min. cover over pipe	4'
Min. pipe slope	2%, 1/4" per ft.
Min. horizontal separation from water service	10'
Pipe bedding	Stone: 6" below pipe to top of pipe
Min. Distance below water service	18"

Max. Distance between cleanouts:	100'
Max. Bend without cleanout	22°
Max. Depth of cleanout (deeper requires a manhole)	5'
Cleanout at building exterior	Required
Manhole at junction of 2 services	Required
Max. Length of service without manhole	200'
Max. Bend without manhole	45°
Min. Distance between bends	10'
Min. Manhole inner diameter outside Town ROW	2' – 6"
6" Service connection to vitrified clay Town Main	Cut in Wye
6" Service connection to asbestos cement Town Main	Wye to Saddle
8" Service connection to Town main	Manhole
Design Sketch	Required
Professional Engineer Design for Service Length >250'	Required
Certified "As -Built" Plan for Service Length > 250'	Required
Pressure Test for Service Length > 250'	Required

Notes:

1. For new sewer services all underground piping from the structure to the physical connection at sewer main must be brought to Town Standards and comply with State Plumbing code within 10" of the building.
2. For Sewer Service Renewal or Repair the existing services shall be brought to current town standards to extent possible. For existing clay services, this shall mean replacement to the physical connection at the sewer main. Asbestos Cement services may be left in place unless directed otherwise as required by the Engineering Division.
3. Applicants proposing to make connections which crossover other parcels must furnish proof that the proper easements have been obtained.

**Sewer Pump & Forced Main Connections:**

Approval by Engineering Division	Required
Professional Engineer Design	Required
Certified "As-Built" Plan	Required
Min. cover over pipe	4' – 6"
Flushing Manhole(s)	As Required By Engineering Division

**Extension of Town Sewer Main:**

Min. pipe diameter	8"
Pipe Material	PVC
Min. pipe thickness	SDR 35 or Less
Pipe bedding	Stone; 6" below pipe to top of pipe
Max. Distance between manholes	300'
Min. cover over pipe	4' – 6"
Min. design flow velocity	2 fps
Design by Professional Engineer	Required
"As-Built" Plan	Required
Pressure Testing	Required
Min. horizontal separation from water main	10'
Min. distance above water main	18"
Sewer manhole frame & cover	LeBaron LT 105 or Approved Equal

## **WATER**

### **Residential Water Service Connections:**

Min. cover over pipe	4' –6"
Pipe bedding	Sand: 6" below pipe & 6 above pipe
Tubing material	Type K Copper
Min. tubing diameter	¾"
Min. Horizontal Separation from Sewer Service	10'
Min. Distance Above Sewer Service	18"
Curb Stops	Open right ball valves rated 300 psi and AWWA approved
Corporations	Ball valve type rated to 300 psi and AWWA approved
Service Boxes	Slide type, Buffalo style

#### **Notes:**

1. For Water Service Renewal or Repair the existing services shall be brought to current Town standards to the extent possible. For existing services of material other than copper or larger than ¾ " this shall mean replacement to the curb box.
2. If the Contractor encounters a lead service from the main to the curb box he must notify the Water and Sewer Division.
3. Service Taps shall be preformed by an approved Agency.
4. Where an existing service is being replaced to the main, the old service shall be capped at the main.
5. Services taps greater than 1" will require a saddle and are subject to the approval of the Water Division.
6. The town will continue to supply only ¾ K copper. If the Contractor uses any other size, contractor will incur the cost.

### **Extension of Town Water Main:**

Min. pipe diameter	8"
Pipe Material	DICL
Min. pipe thickness	Class 52
Bedding	Sand; 6" below pipe to 12" above Crown
Gate Valves	200-psi resilient wedge AWWA approved.
Hydrants	Waterous
Valve Box Top	Heavy duty; 2' recessed top flanged; manufactured by Quality Water Products or approved equal.
Valve Box Lid	Heavy duty; solid interface between lid and top without fluted or scalloped design; Manufactured by Quality Water Product or approved equal.
Valve Box base section	Belled type
Valves and fittings	Secured with mechanical joint with restraint wedge action retaining gland (mega lug).

## STORM DRAIN

### Drain Connections:

Approval by Engineering Division	Required
Pipe material (force main)	PVC or HDPE
Min. pipe diameter (gravity)	8"
Min. cover over pipe (gravity)	2' – 6"
Min. cover over pipe (force main)	4' – 6"
Min. slope	1%
Pipe Material (gravity connection)	RCP or PVC
Pipe thickness (gravity)	Class V or SDR 35
Sketch Showing Elevations and Drainage Area	Required
Manhole at Connection to Town Main	Required

### Extensions of Town Drain:

Pipe material	PVC
Min. pipe diameter	12"
Min. cover over pipe	2' – 6"
Min. design flow velocity	2 fps
Drain manhole frame & cover	LeBaron LT 105 or approved equal
Catch basin frame & gate	LeBaron LF 248-2 or approved equal